

December 6, 1963

25X1A

TO:

FROM:

SUBJECT: Variable Magnification Tracing Projector

A 66mm grid on glass was projected at maximum magnification using all three lenses to check lens distortion. No measurable distortion was incurred with any of the lenses.

Resolution in lines/mm using high contrast criteria was read with the following results.

Accepting the direction of the projector as north the readings were taken in the center and four corners.

<u>Lens</u>	<u>Magnification</u>	<u>Center</u>	<u>No.E</u>	<u>So.E</u>	<u>SW</u>	<u>NW</u>
12"	4.5X	8.5	8.5	5.4	5.4	4.2
7"	8.7X	11.1	7.0	11.1	5.5	5.5
4"	15.4X	3.1	3.1	3.9	3.1	3.9

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:ms